AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

Claims 1 – 184 (cancelled).

Claims 185 – 248 (cancelled)

249. (previously presented). A method of automated sample processing comprising the steps of:

establishing an automated sample processing system having an automated process operation capability that causes automated process operation events through robotic sample process functions;

scheduling a plurality of sample process operations;

systematically storing important details of a significant number of said plurality of sample process operations as such sample process operations occur;

automatically processing at least one biological sample arranged on a slide at least in part through operation of said robotic sample process functions sequencing through said scheduled plurality of sample process operations;

monitoring operationally-influential exteriorly-consequential information, wherein said step of monitoring operationally-influential exteriorly-consequential information comprises the step of monitoring replenishable supply information;

automatically notifying at least one person of a potential need for a replenishable supply in response to said step of monitoring operationally-influential exteriorly-consequential information; and

replenishing said replenishable supply in real-time concurrently with sample processing.

250 (previously presented). A method of automated sample processing as described in claim 249, further comprising the step of:

automatically advance notifying at least one person of information at least in part in response to said step of monitoring replenishable supply information.

251 (previously presented). A method as described in claim 250, wherein the replenishable supply

comprises a buffer, a reagent, a stain, a target retrieval solution, an epitope retrieval solution,

a deparaffinization fluid, or a combination thereof.

Claims 252-260 (cancelled).

261 (previously presented). A method of automated sample processing comprising the steps of:

establishing an automated sample processing system having an automated process

operation capability that causes automated process operation events through robotic sample

process functions;

scheduling a plurality of sample process operations;

systematically storing important details of a significant number of said plurality of

sample process operations as such sample process operations occur;

automatically processing at least one biological sample arranged on a slide at least in

part through operation of said robotic sample process functions sequencing through said

scheduled plurality of sample process operations;

accepting a prompt from a user to display at least a portion of said important details

of a significant number of said plurality of sample process operations; and

providing information relative to said plurality of sample process operations to at

least one person,

wherein said step of systematically storing important details of a significant number

of said plurality of sample process operations as sample process operations occur comprises

the steps of:

systematically storing time of occurrence data,

systematically storing substance identifier data,

systematically storing individual robotic movement data,

systematically storing subject sample data, and

systematically storing type of protocol data.

Claims 262 – 273 (cancelled).

274 (previously presented). An automated sample processing system comprising:

a process operation control system configured to at least partially process at least one biological sample arranged on a slide;

a robotic motion system responsive to said process operation control system;

a multiple event scheduler to which said robotic motion system is at least in part responsive;

a systematic process detail capture element;

a significant process detail memory responsive to said systematic process detail capture element and configured to store at least some significant process data;

an operationally-influential exteriorly-consequential information monitor comprising a replenishable supply information monitor configured to monitor replenishable supply information;

an automatic operator replenishable supply notice element that acts in response to said replenishable supply information monitor; and wherein said process operation control system is configured to allow replenishing of said replenishable supply in real-time concurrently with sample processing.

275 (previously presented). An automated sample processing system according to claim 274, further comprising an automatic exteriorly-consequential information advance notice element configured to automatically advance notifying at least one person of information at least in part in response to said replenishable supply information monitor.

276 (previously presented). An automated sample processing system as described in claim 275, wherein the replenishable supply comprises a buffer, a reagent, a stain, a target retrieval solution, an epitope retrieval solution, a deparaffinization fluid, or a combination thereof.

Claims 277 – 285 (cancelled)

286 (previously presented). An automated sample processing system comprising:

a process operation control system configured to at least partially process at least one biological sample arranged on a slide;

a robotic motion system responsive to said process operation control system;

a multiple event scheduler to which said robotic motion system is at least in part

responsive;

a systematic process detail capture element;

a significant process detail memory that is responsive to said systematic process detail capture element and that stores at least some significant process data;

an information access prompt element to which said significant process data is responsive; and

a significant process data transfer element,

wherein said systematic process detail capture element comprises:

a time of occurrence data capture element,

an individual robotic movement data capture element,

a substance identifier data capture element,

a subject sample data capture element, and

a type of protocol data capture element.